

FIG. 1
(PRIOR ART)

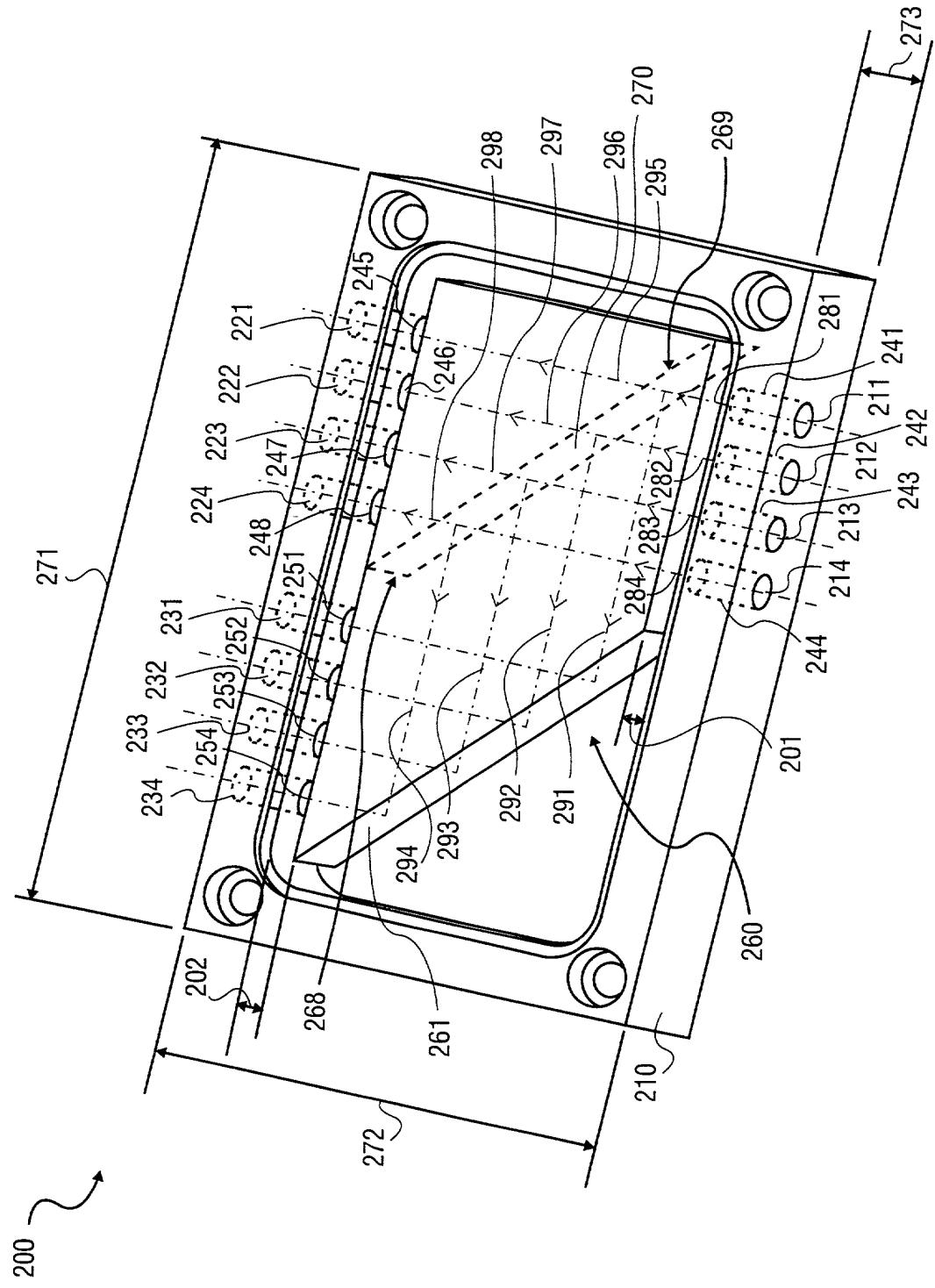


FIG. 2

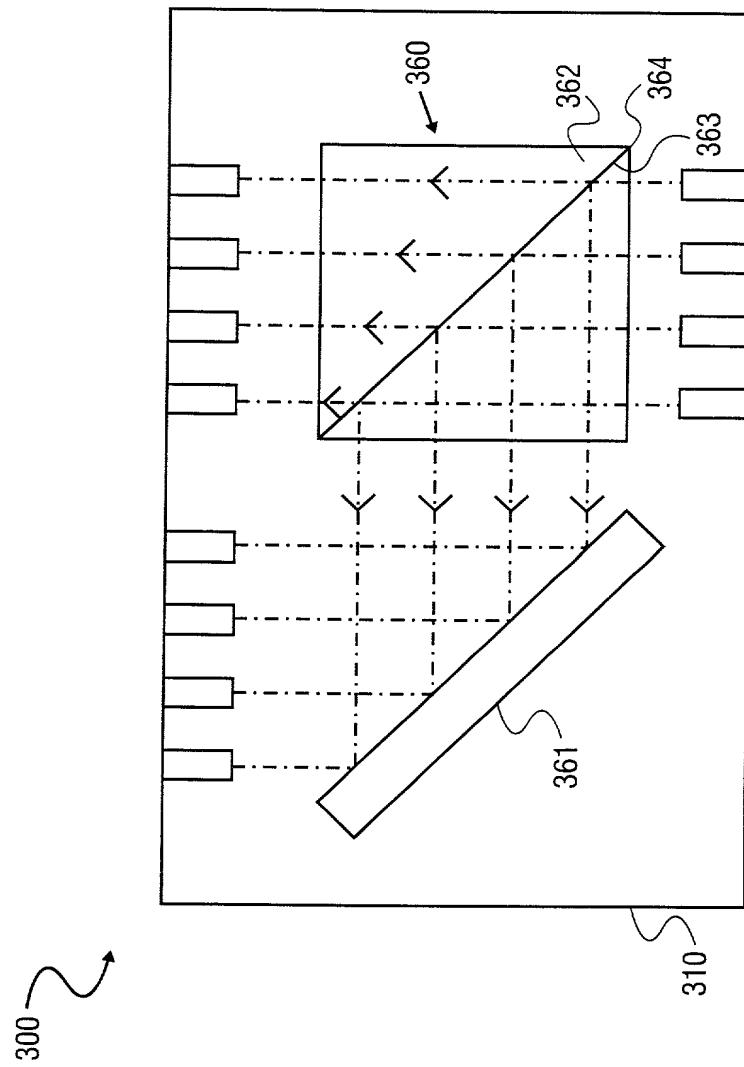


FIG. 3

FIG. 4

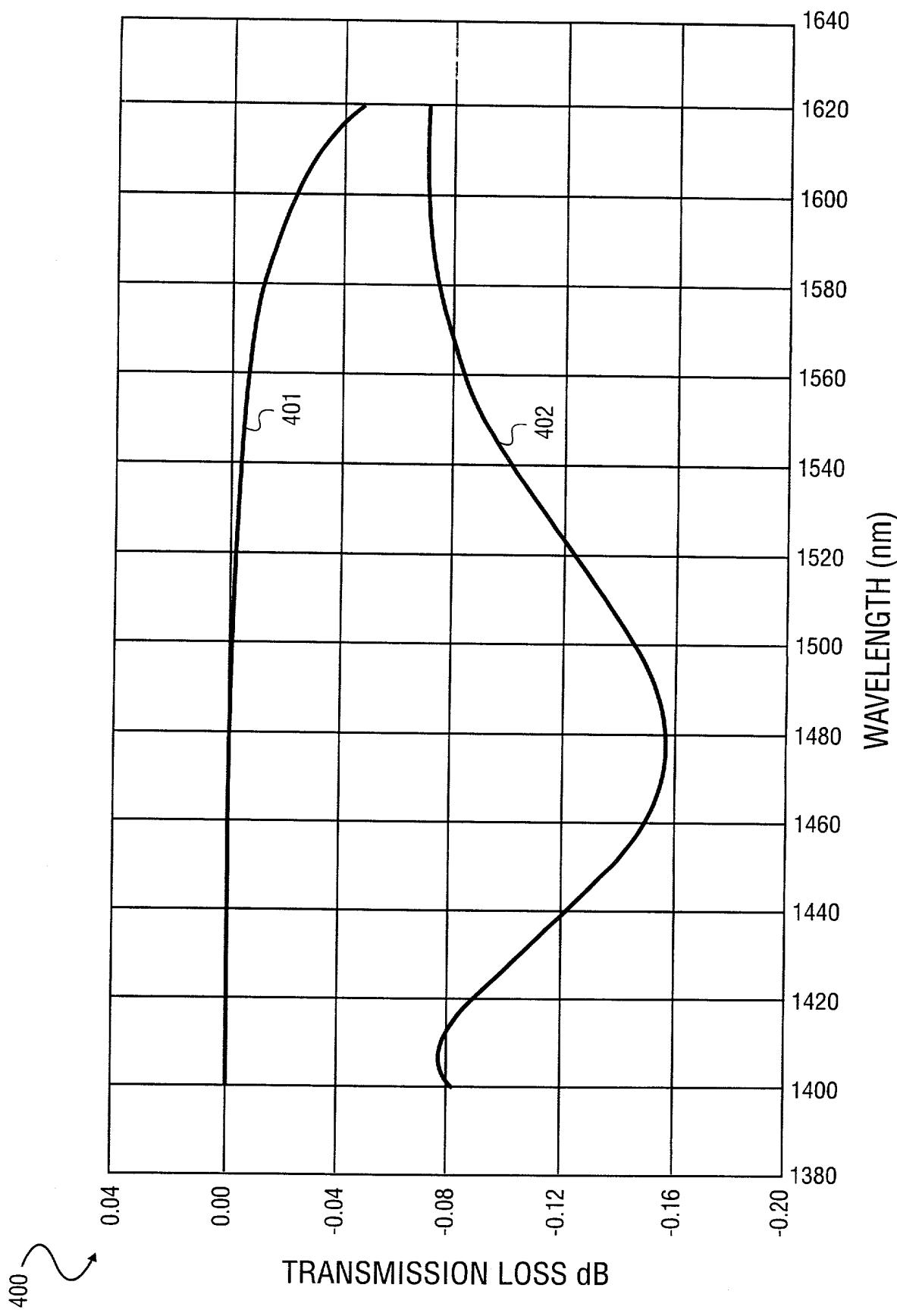
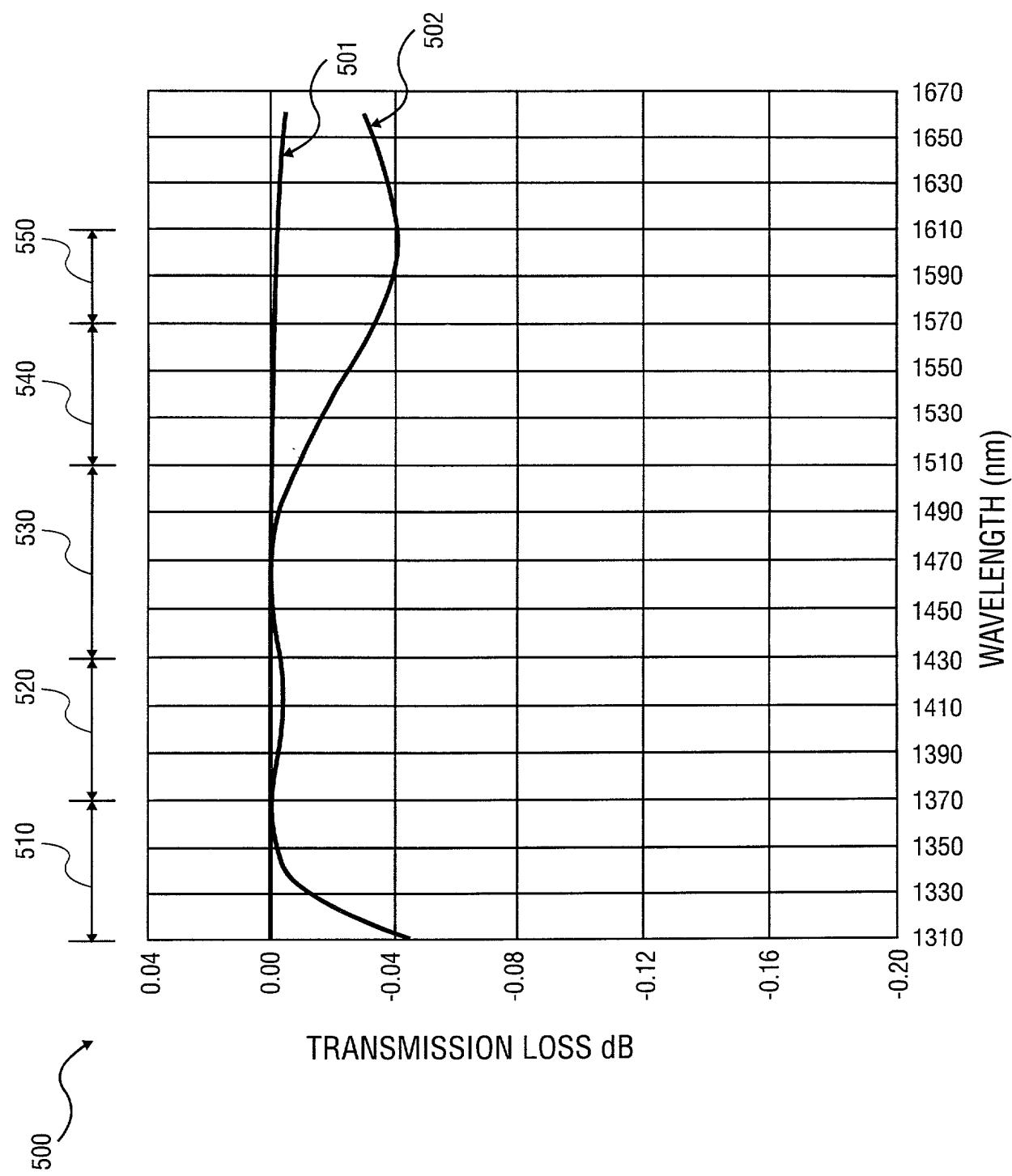


FIG. 5



ERBIUM DOPED FIBER AMPLIFIER

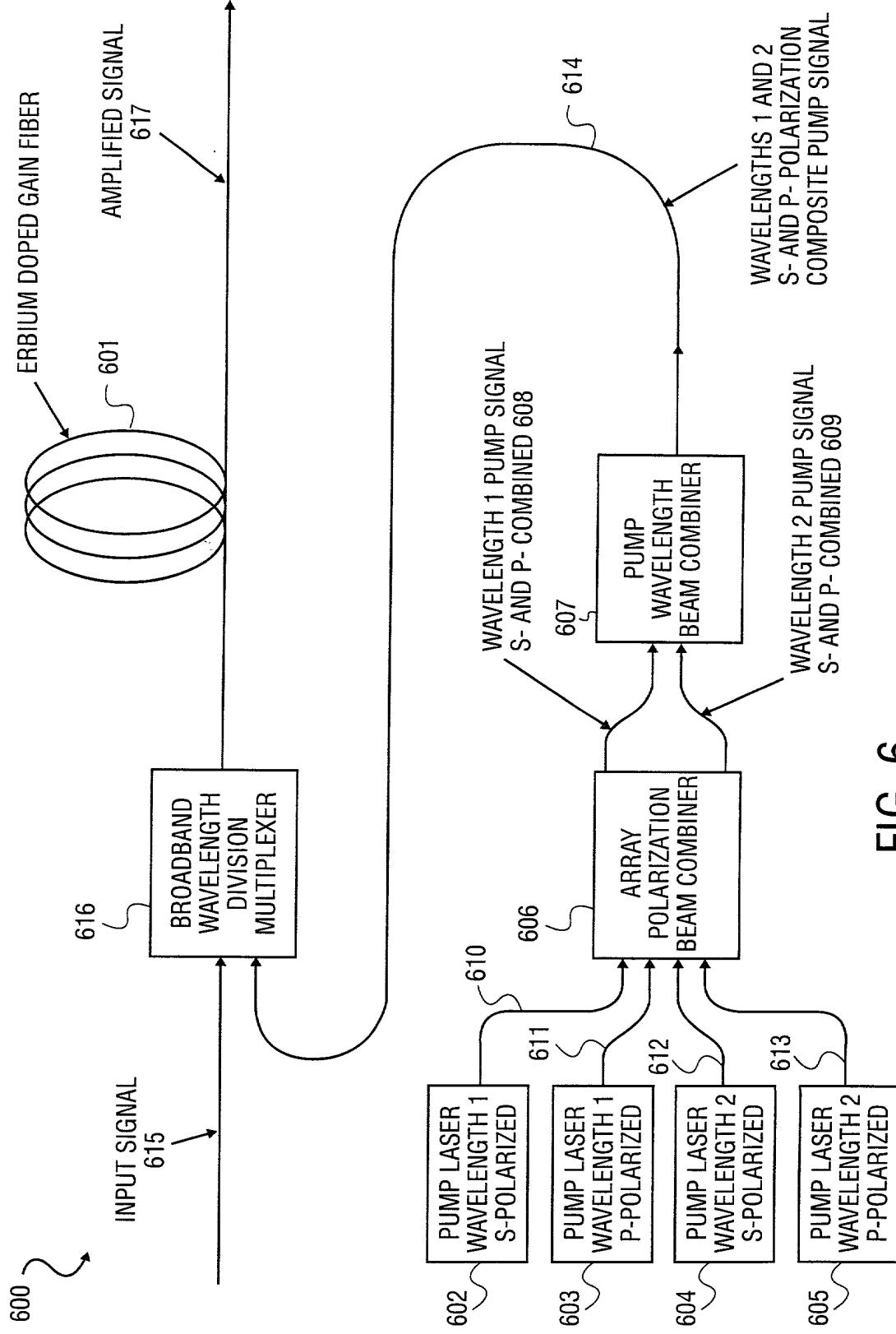


FIG. 6

RAMAN AMPLIFIER

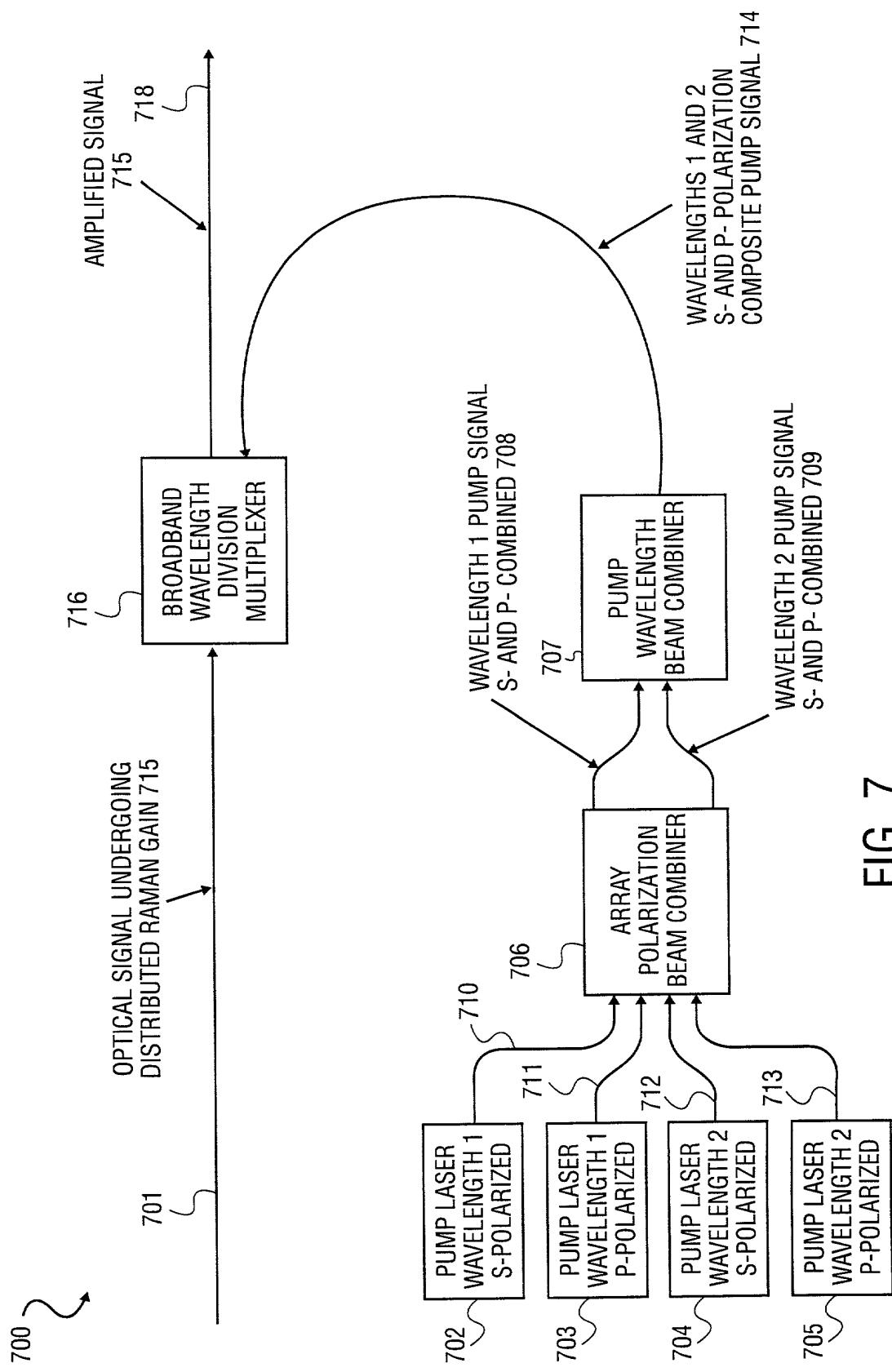


FIG. 7

ERBIUM DOPED FIBER AMPLIFIER

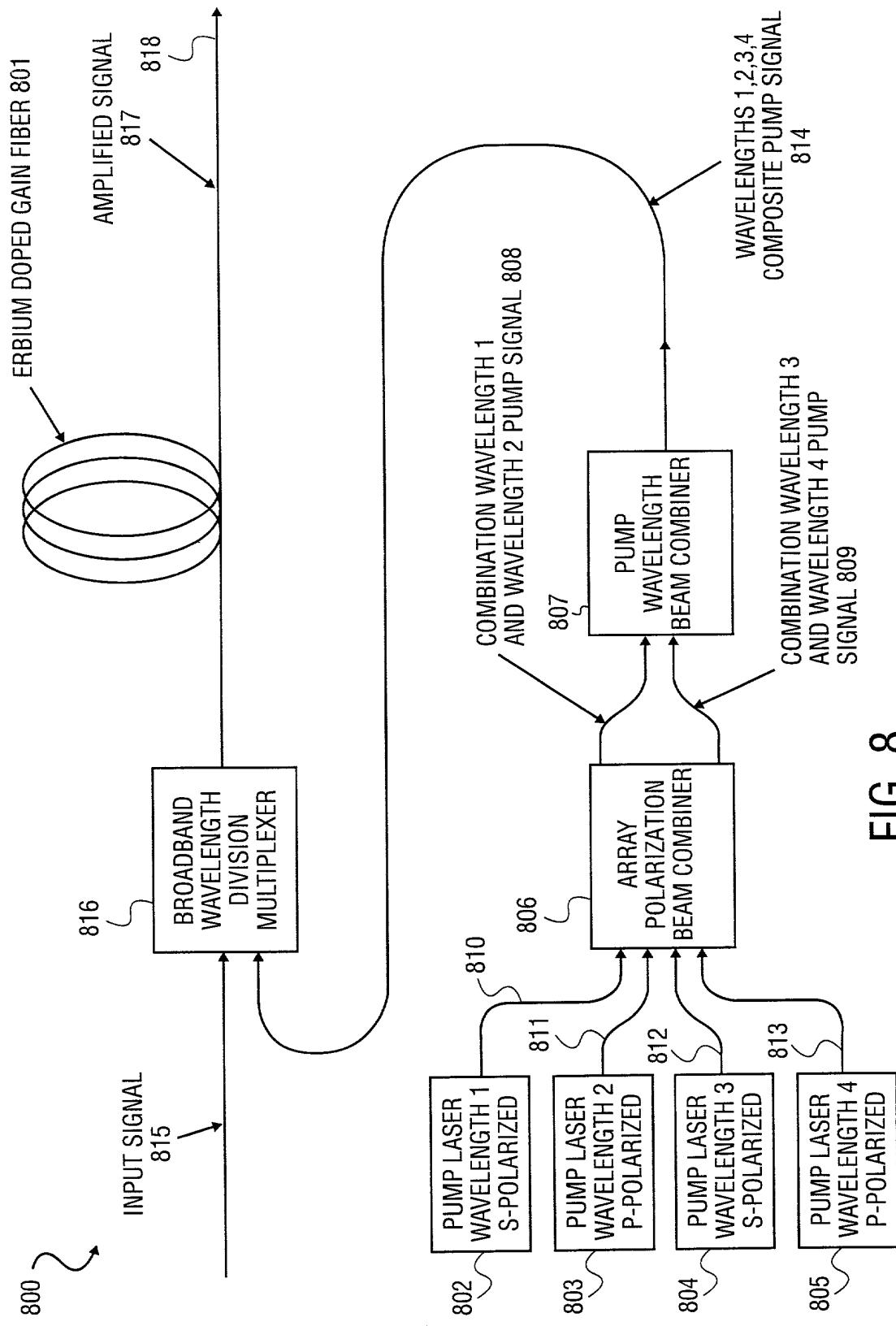


FIG. 8

RAMAN AMPLIFIER

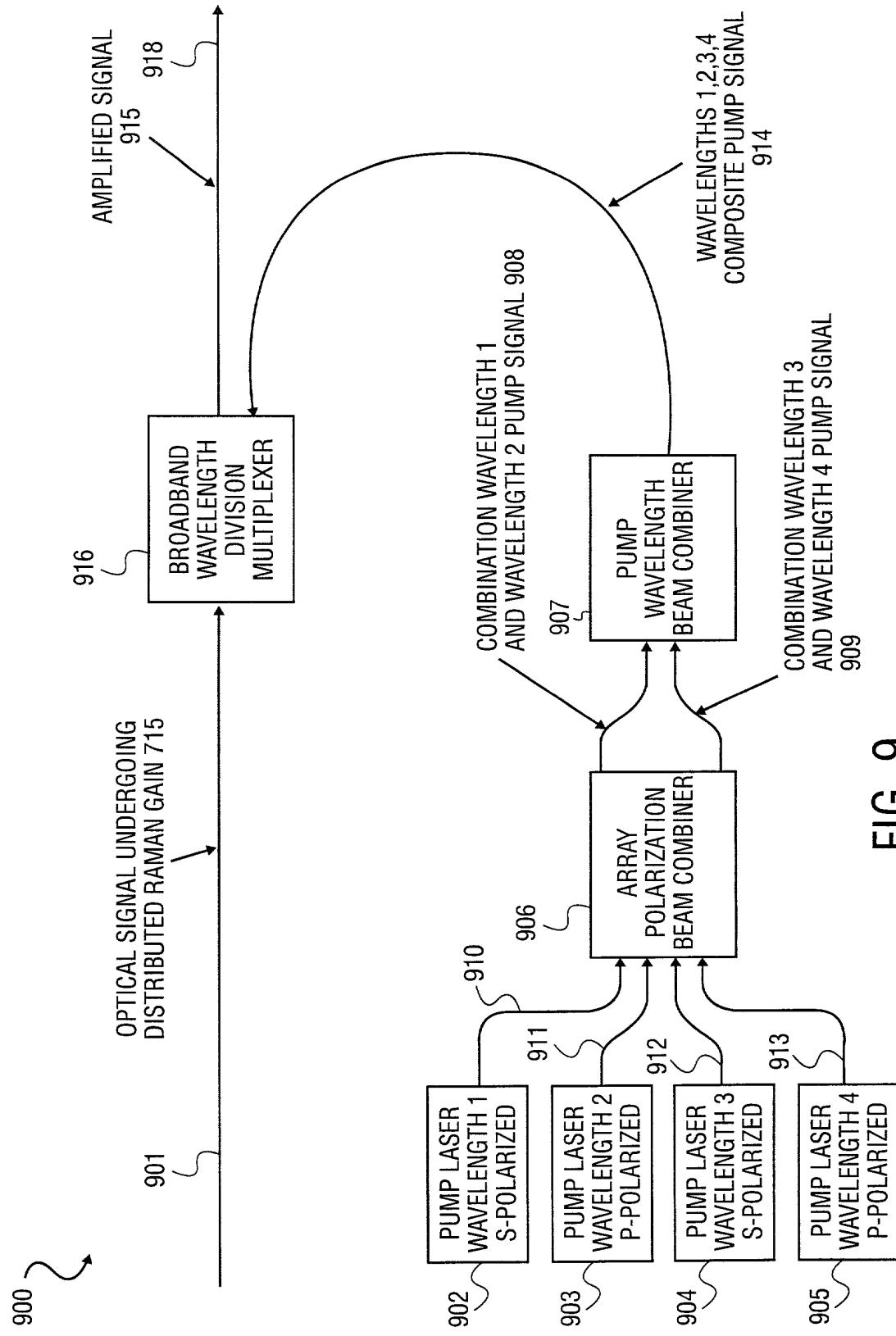


FIG. 9

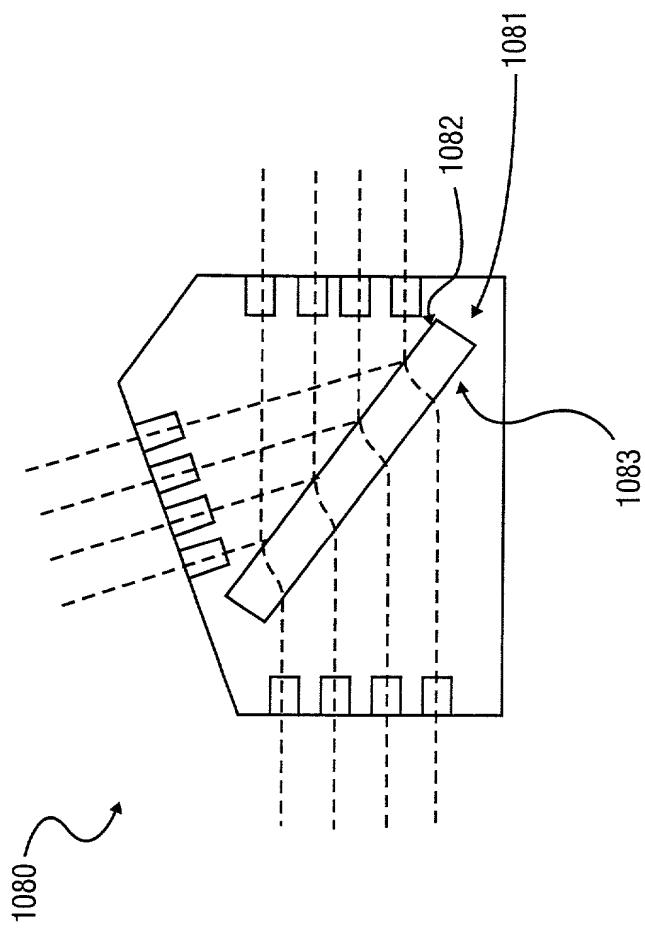


FIG. 10

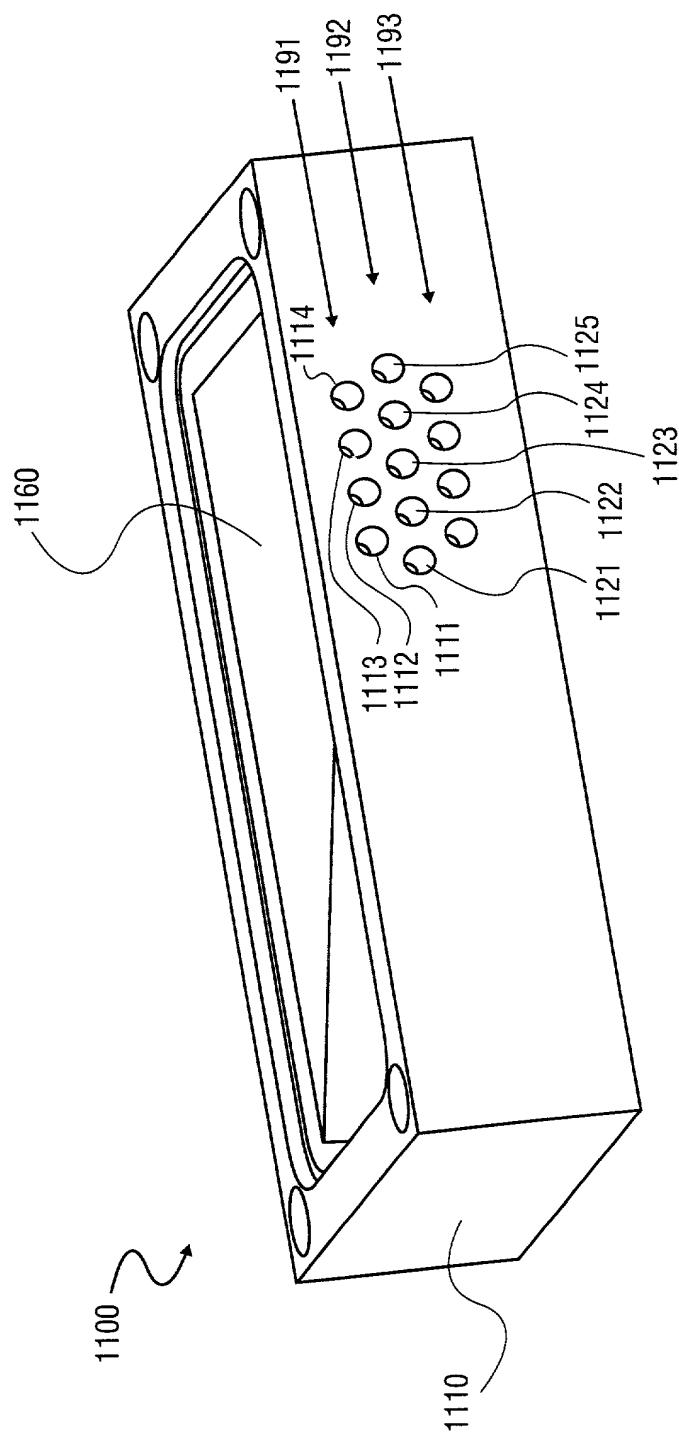


FIG. 11